### FIGURE 14-1

THE STANSON OF THE ST A STAN A 3.36.0 3.06.0 3.06 AGG AGA STC SCA CTT THE THE PERSON AND TH AAC GCG TCC The state of the s NCA STC STG CGG THE STATE OF THE S CCT AGC GGG GGG SAG NGT HE SERVICE OF THE SER CCT CTA CTG CGG ACA GAC GAC GAA GAA GAA GAA ACAA CAA ACAA 

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### FIGURE 1B

CCATCTTATT AGTGTGGAGC ATCCAAAGTA GCAAATCAGT TTCTGTCACT AATTTTCAGA ATAAAATTAG TANGCATTAT AATTTTCATT ACAAATGAGA TTTTAAGAA CACAATATAT GGTAAGGAAA ATNTACCAAT TGTGGAAAGA ATGCTGAAGT GTTGGGCAGA ATTATANTCC CATTGAACTC CCAGTCTCAG

### FIGURE 1C

58 58 57 57 58 58	112 118 108 107	20 109
-MABGNHRKKPLKVLBSLGKDFLTGVLDNLVBQNVLNWKBBBKKKYYD-AKTEDKVRVMA 58 -MADKVLKBKRKLFIRSMGBGTINGLLDBLLQTRVLNKBBMBKVKRBN-ATVMDKTRALI 58 MASDDLSLIRKNRMALFQQLTCVLPILDNLLKANVINKQBHDIIKQKTQIPLQARBLI 58 -BSNDLLLIRKNRMALFQHLTCVIPILDSLLTAGIINBQBHDVIKQKTQTSLQARBLI 57 -MHPHQBTLKKNRVVLAKQLLLSBLLEHLLEKDIITLEMRELIQAKVGSFSQNVELL 57LVDKLLVRDVLDKCMBBELLTIBDRNRIAAABNNGNBSGVRBLL 44 MBARDKQVLRSLRLEGABVLVBGLVLQYLYQBGILTBNHIQBINAQTTGLRKTMLLL 58	DSMQBRQRMAGQMLLQTFFNIDQISPNKKAHPNMBAGPPBSGBSTDALKLCPHB 112 DSVIPRGAQACQICITYICBBDSYLAGTLGLSAAPQAVQDNPAMPTSSGSBGNVKLCSLB 118 DTILVKGNAAANIFKNCLKBIDSTLYKNLFVDKNMKYIPTBDVSGLSLBB 108 DTILVKGNIAATVFRNSLQBABAVLYBHLFVQQDIKYIPTBDVSDLPVBB 107 NLLPKRGPQAFDAFCBALRBTRQGHLEDMLLTTLSGLQHVLPPLSCDYDLSLPFPVCB 115 KRIVQK	DILPSRGPKAFDTFLDSLQBFPWVRBKLKKARBBAMTDLPAGDRLTGIPSH 109
ICH-2 ICE IAP1-453 IAP2-439 ICH-1 mda5-125 RAIDD	ICH-2 ICE IAP1-453 IAP2-439 ICH-1 mda5-125	KAIDD

### REPLACEMENT DRAWING SHEET

# FIGURE 1D-1

elr4Al p68RNAhelicase Mda-5 elr4Al p68RNAhelicase Mda-5 elr4Al p68RNAhelicase Mda-5	LSTLEKGVWHLGWTREFVEALRRTGSPLAARYMNPELTDLPSPSFENAHDEYLQLLNL  :
p68RNAhelicase Mda-5	FTBPTAIQAQGWPVALSGLDMVGVAQTGSGTGKTATFAISILQQIELDLKATQ 102 SPEPELQLRPYQMEVAQPALEGKNIIICLPTGSGKTRVAVYIAKDHLDKKKKASEPGK 358 :*
eIF4Al p68RNAhelicase Mda~5	ALVLAPTRELAQQIQ 117 CLVLAPTRELAQQVQ 184 VIVLVNKVLLVEQLFRKBFQPFLKKWYRVIGLSGDTQLKISFPEVVKSCDIIISTAQILE 418

### REPLACEMENT DRAWING SHEET

# FIGURE 1D-2

elr4Al p68RNAhelicase	KVV 120
Mda-5	NSLLNLRNGRDAGVQLSDFSLIIIDRCHHTNKRAVYNNIMRHYLMQKLKNNRLKKENKPV 478
eIF4A1 p68RNAhelicase Mda-5	MALGDYMGASCHACIGGTNVRABVQKLQMBÅPHIIVGTPGRVFDMLNRRYLSPKYIKMFV 180 ABYCRACRLKSTCIYGGAPKGPQIRDLBRG-VBICIATPGRLIDFLBCGKTNLRRTTYLV 246 IPLPQILGLTASPGVGGATKQAKABBHILKLCANLDAFTIKTVKBNLDQLKNQIQBPCKK 538
eIF4A1 p68RNAhelicase Mda-5	LDBADRMLSRGFKDQIYDIFQKLNSNTQVVLLSATMPSDVLBVTKKFMRDPIRILVKKBB 240 LDBADRMLDMGFBPQIRKIVDQIRPDRQTLMWSATWPKBVRQLAEDFLKDYIHINIGALB 306 FAIADATREDPFKEKLLBIMTRIQTYCQMSPMSDFGTQPYBQWAIQMBKKAAKKGNRKER 598 . ** * * * * * * * * * * * * * * * * *
eIF4Al p68RNAhelicase Mda-5	LTLEGIRQF
eIF4Al p68RNAhelicase Mda-5	
eIF4A1 p68RNAhelicase Mda-5	-QAVIFINTRRKVDWLTBKMHARDFTVSAMHGDMDQKBRDVIMRBF 318 NKTIVFVBTKRRCDBLTRKMRRDGWPAMGIHGDKSQQBRDWVLNBF 387 ARGIIFTKTRQSAYALSQWITBNBKFABVGVKAHHLIGAGHSSBFKPMTQNBQKBVISKF 778

440 838

406 500 898

# FIGURE 1D-3

eIF4Al p68RNAhelicase Mda-5

RSGSSRVLITTDLLARGIDVQQVSLVINYDLPTNRRNYIHRIGRG------GRFGRKGV KHGKAPILIATDVASRGLDVRDVKFVINYDYPNSSEDYIHRIGRT-----ARSTKTGT

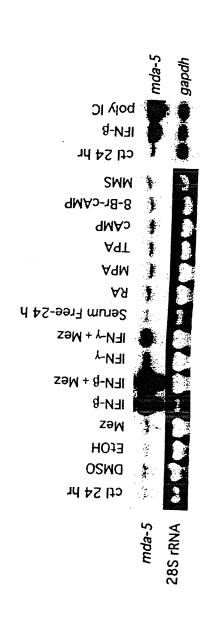
RTGKINLLIATTVABEGLDIKECNIVIRYGLVTNEIAMVQARGRARADESTYVLVAHSGS AYTFFTPNNIKQVSDLISVLRBANQAINPKLLQLVRDRGSGRSRGRGGMKDDRRDRYSAG AINMVTBBDKRTLRDIBTFYNTSIBBMPLNVADLI-------------GVIBHETVNDFREKMMYKAIHCVQNMKPEBYAHKILELQMQSIMEKKMKTKRNIAKHYKN \*\*\*\*\*\*\*\*\*\*\*\*\*

P68RNAhelicase

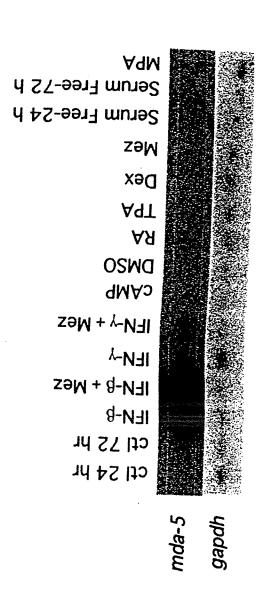
Mda-5

eIF4A1

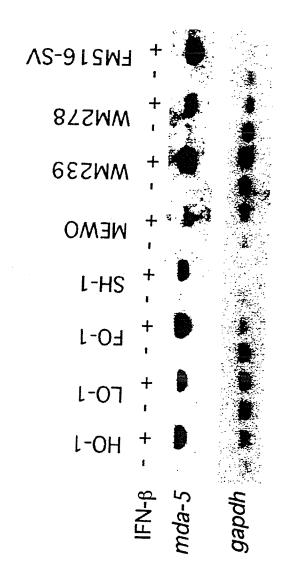




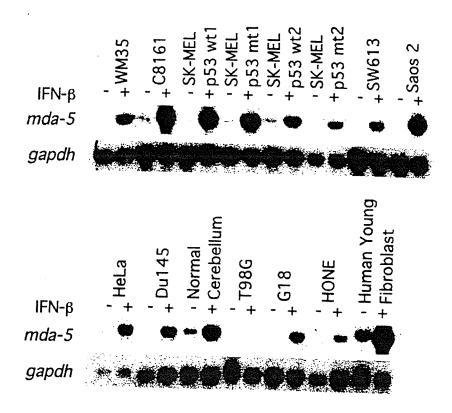


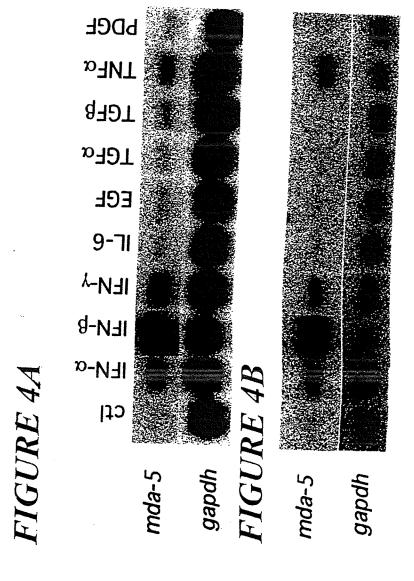




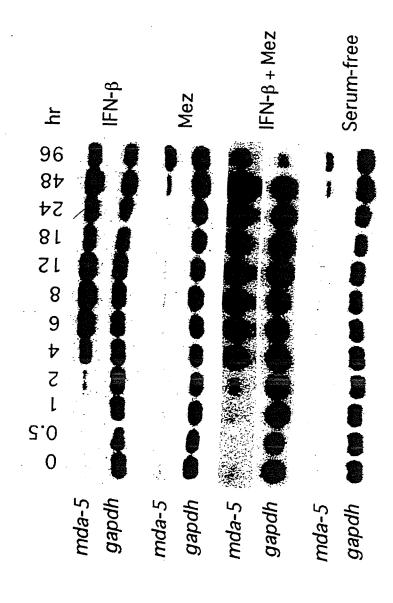


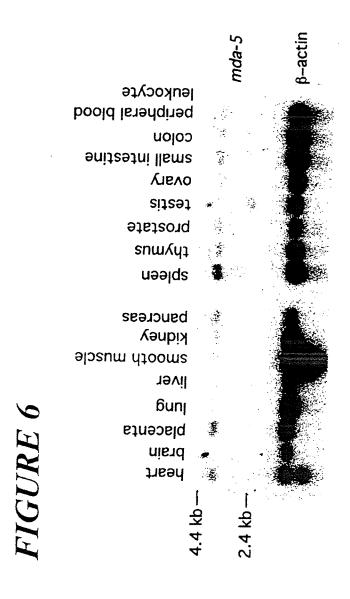
### FIGURE 3B



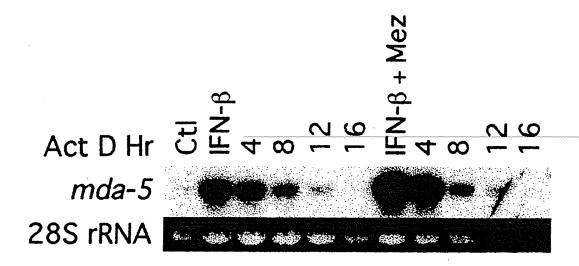


### FIGURE 5





### FIGURE 7A

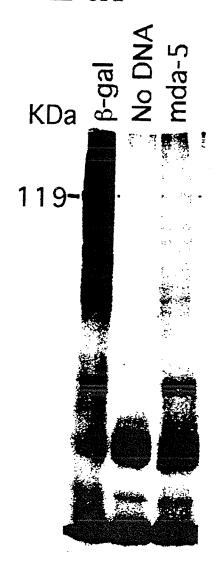


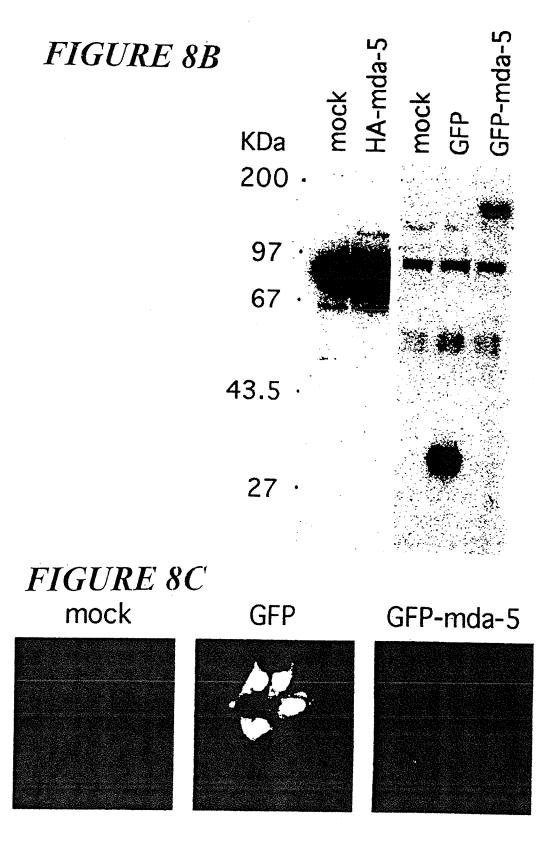
# FIGURE 7B Solve Sepular Sepul

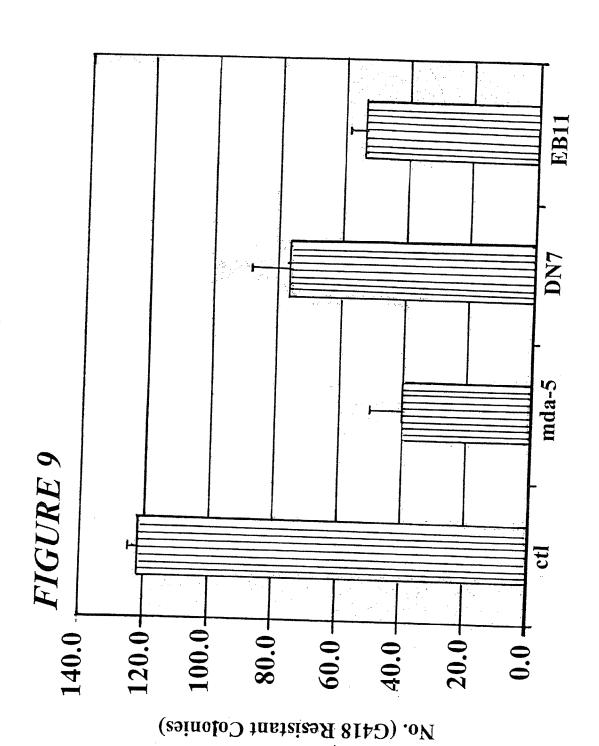
IFN-β

IFN- $\beta$  + Mez

### FIGURE 8A







### REPLACEMENT DRAWING SHEET

FIG	IIR	$\boldsymbol{F}$	10	)
	. /			•

:	GCACATTTTGGCCTACAAAGGACCTTATTGTTAAGGCAGAACCTGCTGGGAAAACAAAAT 1+++	60
	EcoRI	
61	ATCCGCCGGAGGAGCTTTGTAGAGCGTTGGTCTTGGTGTCAGAGAGAATTCGCTTTCCTT	120
121	TTCTGTTTCCCGCGGTGTCCTTAACCAAAGGCCTCCTCTCTCACCCGCCCCGACCAAAA	180
181	GGTGGCGTCTCCCTGAGGAAACTCCCTCCCCGCCAGGCAGATTACGTTTACAAAGTCCTG	240
241	AGAAGAGAATCGAAACAGAAACCAAAGTCAGGCAAACTCTGTAAGAACTGCCTGACAGAA	300
301	AGCTGGACTCAAAGCTCCTACCCGAGTGTGCAGCAGGATCGCCCCGGTCCGGGACCCCAG	360
361	GCGCACACCGCAGAGTCCAAAGTGCCGCGCCCTGCCGGCCG	420
421	GCGCGCCCCGCTGCCCACCTGCCCACCTGCCCAGGTGCGAGTGCAGCCC	480
	CGCGCGCCGGCCTGAGAGCCCTGTGGACAACCTCGTCATTGTCAGGCACAGAGCGGTAGA	
541	CCCTGCTTCTNTAAGTGGGCAGCGGACAGCGGCACGCACATTTCACCTGTCCCGCAGACA	500
	BstXI	
601	ACAGCACCATCTGCTTGGGAGAACCCTCTCCCTTCTCTGAGAAAGAA	60
661	GTATTCCACAGACGAGAATTTCCGCTATCTCATCTCGTGCTTCAGGGCCAGGGTGAAAAT	20
721	GTACATCCAGGTGGAGCCTGTGCTGGACTACCTGACCTTTCTGCCTGC	80
	GCAGATTCAGAGGACAGTCGCCACCTCCGGGAACATGCAGGCAG	
	ECORI	10
841	CACCTTGGAGAAGGGAGTCTGGCACCTTGGTTGGACTCGGGAATTCGTGGAGGCCCTCCG	00
	Saci	
901	GAGAACCGGCAGCCCTCTGGCCGCCCGCTACATGAACCCTGAGCTCACGGACTTGCCCTC	60
961 -	TCCATCGTTTGAGAACGCTCATGATGAATATCTCCAACTGCTGAACCTCCTTCAGCCCAC	20
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